

FORM PTO-1449  
(Rev. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEAtty. Docket No.  
13786Serial No.  
09/977,254**LIST OF PRIOR ART CITED BY APPLICANT**  
(Use several sheets if necessary)

APPLICANT Ozin et al.

FILING DATE  
10/16/2001GROUP  
1772

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AC	AA	4 7 2 8 5 9 1	03/01/88	Clark et al.	430	5	
	AB						
	AC						
	AD						

RECEIVED  
AUG 13 2002  
TO 1700

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
AC	AE	1 0 8 1 5 1 3	08/21/00	EP			X
AC	AF	1 0 3 0 1 9 6	01/31/00	EO			X
AC	AG	0 0 1 0 0 4 0	08/11/99	WO			X

## OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, Etc.)

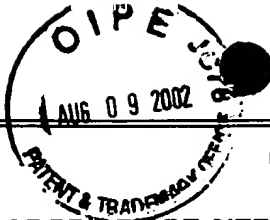
AC	AH	✓	Gates, B. et al.: "Self-Assembly of Meso-and Nanoparticles into 3-D Ordered Arrays and Its Applications", Organic/Inorganic Hybrid Materials II, San Francisco, CA, April 5-9, 1999, Materials Research Society Symposium Proceedings, vol. 576, April 5, 1999, pgs. 149-154, XP-000897904.
AC	AI	✓	Aizenberg et al.: "Patterned Colloidal Deposition Controlled by Electrostatic and Capillary Forces", Physical Review Letters, vol. 84, no. 13, March 27, 2000, pgs. 2997-3000, XP-001074766.
AC	AJ	✓	Chen, et al.: "Selective Self Organization of Colloids on Patterned Polyelectrolyte Templates", Langmuir, vol. 16, 2000, pgs. 7825-7834, XP-001074759.
AC	AK	✓	Oleschuk et al.: "Trapping of Bead-Based Reagents within Microfluidic Systems", Anal. Chem., vol. 72, 2000, pgs. 585-590, XP-001074756.
AC	AL	✓	Kim et al.: "Two- and Three-Dimensional Crystallization of Polymeric Microspheres by Micromolding in Capillaries", Advanced Materials, VCH Verlagsgesellschaft, Weinheim, DE, vol. 8, no. 3, March 1, 1996, pgs. 245-247, XP-000558255.
AC	AM	✓	Chomski E. et al.: "Panoscopic Silicon - A Material for All Length Scales", Advanced Materials, VCH Verlagsgesellschaft, Weinheim, DE, vol. 12, no.14, July 19, 2000, pgs. 1071-1078, XP-000959392.
AC	AN	✓	Deckman H.W. et al.: "Macromolecular Self-Organized Assemblies", American Vacuum Society, J. Vac. Sci. Technol., B 6(1), Jan./Feb. 1988, pgs. 333-336.

EXAMINER

DATE CONSIDERED

11/28/03

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 602; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449  
(Rev. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEAtty. Docket No.  
13786Serial No.  
09/977,254**LIST OF PRIOR ART CITED BY APPLICANT**  
(Use several sheets if necessary)

APPLICANT Ozin et al.

FILING DATE  
10/16/2001GROUP  
1772

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AO						
	AP						
	AQ						
	AR						

RECEIVED

AUG 12 2002

## FOREIGN PATENT DOCUMENTS

TC 1700

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AS							

## OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, Etc.)

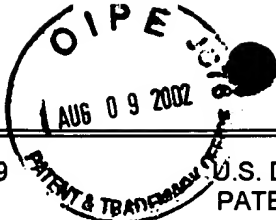
AE	AT	✓	Burmeister et al.: "From Mesoscopic to Nanoscopic Surface Structures: Lithography with Colloid Monolayers", Advanced Materials, vol. 10, no. 6, 1998, pgs. 495-497.
AE	AU	✓	Yang et al.: "Hierarchically Ordered Oxides", Science, vol. 282, December 18, 1998, pgs. 2244-2246.
AE	AV	✓	Lin et al.: "Entropically Driven Colloidal Crystallization on Patterned Surfaces", The American Physical Society, Physical Review Letters, vol. 85, no. 8, August 21, 2000, pgs. 1770-1773.
AE	AW	✓	Hayward et al.: "Electrophoretic Assembly of Colloidal Crystals with Optically Tunable Micropatterns", Macmillian Magazines Ltd., Nature, vol. 404, March 2, 2000, pgs. 56-58.
AE	AX	✓	Chen et al.: "Selective Self-Organization of Colloids on Patterned Polyelectrolyte Templates", Langmuir, vol. 16, no. 20, 2000 American Chemical Society, September 8, 2000, pgs. 7825-7834.
AE	AY	✓	Yin et al.: "A Self-Assembly Approach to the Formulation of Asymmetric Dimers from Monodispersed Spherical Colloids", J. Am. Chem. Soc., vol. 123, 2001 American Chemical Society, January 9, 2001, pgs. 771-772.
AE	AZ	✓	Lu et al.: "A Self-Assembly Approach to the Fabrication of Patterned, Two-Dimensional Arrays of Microlenses of Organic Polymers", Advanced Materials, vol. 13, no. 1, January 5, 2001, pgs. 34-37.
AE	BA	✓	Yin et al.: "Assembly of Monodispersed Spherical Colloids into One-Dimensional Aggregates Characterized by Well-Controlled Structures and Lengths", Journal of Chemistry Materials Communication, The Royal Society of Chemistry, March 2001, pgs. 987-989.
AE	BB	✓	Yang et al.: "Patterning Porous Oxides Within Microchannel Networks", Advanced Materials, vol. 13, no. 6, March 2001, pgs. 427-431.

EXAMINER

DATE CONSIDERED

11/28/03

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 602; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449  
(Rev. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEAtty. Docket No.  
13786Serial No.  
09/997,254**LIST OF PRIOR ART CITED BY APPLICANT**  
(Use several sheets if necessary)

APPLICANT Ozin et al.

FILING DATE  
10/16/2001GROUP  
1772**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BC						
	BD						
	BE						
	BF						

**RECEIVED**  
AUG 12 2002  
TC 1700**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	BG							

**OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, Etc.)**

	BI	✓	Jiang et al.: "Single-Crystal Colloidal Multilayers of Controlled Thickness", American Chemical Society, Chem. Mater., vol. 11, 1999, pgs. 2132-2140.
	BJ	✓	Jiang et al.: "The Fabrication and Bandgap Engineering of Photonic Multilayers", Advanced Materials, vol. 13, No. 6, March 16, 2001, pgs. 389-393.
	BK	✓	Park et al.: "Crystallization of Mesoscale Particles Over Large Areas", Advanced Materials, vol. 10, no. 13, 1998, pgs. 1028-1031.
	BL	✓	Blaaderen et al.: "Template-directed Colloidal Crystallization", Nature, vol. 385, January 23, 1997, pgs. 321-324.
	BM	✓	Dimitrov et al.: "Continuous Convective Assembling of Fine Particles into Two-Dimensional Arrays on Solid Surfaces", Langmuir, vol. 12, 1996, pgs. 1303-1311.

EXAMINER

DATE CONSIDERED

11/28/03

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 602; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.